

ABSTRACT OF THE DISCLOSURE

A palladium catalyzed cross-coupling of aryldiazonium salts with organosilanes is disclosed. New reactions that are user friendly and environmentally friendly are now possible, including some reactions that could not be achieved using prior methods. The organosilanes that may be cross-coupled with aryldiazonium salts include, for example, $\text{Ar}'\text{-Si}(\text{L})_3$, where Ar' = aryl, and where L = CH_3 , OCH_3 , F , Cl , R , or OR .